

CENTRAL INTELLIGENCE AGENCY

REPORT

INFORMATION SECRET

COUNTRY

USSR

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SUBJECT

Factories, Mines, and Power Plants

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KAZAKH SSR1. AKTYUBINSK (50°15'N, 57°20'E)

- a. Before the war, the population was approximately 30,000; it increased to approximately 60,000 during the war.

b. Flour Mill No. 20:

Located in the center of the town and has one railroad track to the station. Production is 60 to 70 tons in a 24-hour day, with about 70 to 80 permanent employees. Customers are required to furnish labor for loading and unloading. The factory was constructed before the war and has its own power plant, consisting of a Diesel engine producing approximately 1,000 KW on 380 volt tension.

c. X-ray Equipment Factory:

Located near the flour mill. Employs approximately 200 workers.

d. Bolshevik Factory:

An iron foundry producing plumbing fixtures, with about 150 to 200 employees working in three 8-hour shifts. It is alleged that in 1942 this plant was transferred to Aktyubinsk from the Ukraine.

e. Ferro-Chrome Factory

Located about 8 or 9 km. from Aktyubinsk along the rail line to Chkalov; covers an area of approximately 140,000 square meters. Produces ferro-chrome ingots. The factory has electric smelting ovens. Chrome and nickel ore are supplied from the Kimpersaiski mines (50°45'N, 53°0'E). The factory has its own power plant with an approximate capacity of 200,000 KW. The power plant consumes about 600 tons of coal every 24 hours, which is supplied by the Karasanda coal mines.

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- f. Aktyub Kombinat: Saw mill; no details.
- g. Auto Base: Has 13 GAZ trucks, each with a capacity of three tons.
- h. Brick Kiln:

Located along the Karl Liebknecht Road, 3 km. from the center of the town. This kiln has a total capacity of 60,000 bricks and has 20 entrances.

2. AIMA ATA (43°30'N, 77°E)

- a. Sukhino Factory: Clothing factory.
- b. Factory No. 175:

In 1942 an organization called OSMCh (see below) began the construction of this plant. All the buildings are one story high and cover an area of approximately 300 x 400m. As of the end of 1945, construction of the factory was not completed. A railroad track was laid from the factory to the station in 1945. 50X1-HUM

Comment: [redacted] this "Metallurgical Plant No. 175" [redacted] is a naval torpedo factory.)

c. OSMCh:

Osobna Stroitelna Montazhena Chast = Special Construction and Installation Organization [redacted] This plant has twenty 3-ton ZIS-5 and five 1½-ton GAZ trucks at its disposal. No further details. 50X1-HUM

3. BALKHASH (46°50'N, 75°E)Balkhash Copper Smelting Plant (RMZ):

As of June 1946, approximately 5,000 workers were employed. Comment: [redacted] 3,000 employees in April - June 1946.)

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50X1-HUM4. CHIKENT (42°25'N, 69°40'E)

Meat Combine: Employs approximately 300 workers.

5. DZHAMBUL (42°55'N, 71°23'E)a. Sugar Refinery [redacted]

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b. Alcoholic Beverage Plant [redacted]c. Meat Combined. Raf-Prom-Kombinat: Employs 25 workers. (District Industrial Combine)e. Auto Base:

Has approximately twenty 3-ton ZIS-5 and twenty 1½-ton GAZ 1-a trucks. Dzhambul is a cotton collection point and the trucks are used mainly for cotton and wheat transportation.

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~~CONFIDENTIAL~~6. GUREV (47°10'N, 51°57'E)

a. This city has a population of approximately 650,000. Old Gurev and New Gurev are separate cities. The railroad passes through Old Gurev only. A hard-surfaced road, 5-6 m. wide, constructed in 1945, connects the two cities.

b. Lenin Factory:

A clothing factory employing approximately 5,000 workers, as of June 1946. The manager is Rosenblum.

7. KULSARY [Approximately 260-280 km. from Gurev, and 30 km. from Kosh-Chagyl (46°50'N, 53°47'E)]Electric Power Plant:

This plant was built on sandy, barren, dry soil [redacted] As of September 1945, the construction was almost completed. Oil from the Kosh-Chagyl fields was to be used as fuel. The power plant was the first and only construction in Kulsary and a community was to be settled there after the power plant began operation, which was scheduled for November 1945.

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8. MAKINKA (52°37'N, 70°26'E)Machine Factory:

Produces pistons and piston rings for all types of motors, particularly for tank and airplane engines. Employed several thousand workers, as of April 1946 (no closer estimate available). The manager is Dryganovski.

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[redacted] Crates, allegedly for the exclusive use of this piston plant, are produced in an adjoining mill, which operates in three 8-hour shifts with 110 workers on each shift.

9. SEMIPALATINSK (50°25'N, 80°20'E)Shoe and Clothing Plant:

Housed in a two-story building. Employs a total of 130-150 workers.

CHELYABINSK ORLAST10. CHELYABINSK:Coke Plant [redacted]

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Construction of this plant began in 1944 and was not yet completed in May 1945. [redacted] high malaria incidence in the vicinity of the plant.

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11. KUSA (55°20'N, 59°26'E)Heavy Machinery Factory:

Produces "economizers" for boilerhouses, also steel plates and small household articles. The factory is equipped with five ovens (type unknown). As of May 1946, it had a total of 4,000 employees working in three 8-hour shifts. The manager was Zarubin.

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~~CONFIDENTIAL~~12. MAGNITOGORSK (53°25'N, 59°05'E)Window-Frame and Door Factory:

Located in the Dok district, this factory is equipped with modern machinery. All products are used locally in the area of Magnitogorsk. A railroad track connects this plant with the station. As of March 1946, it employed approximately 300 workers. The manager and chief engineer is Stepar.

CHKALOV ORLAST13. ORSK (51°12'N, 58°35'E)a. TETs (power plants)

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Equipped with three Kirov-Electrosil steam turbines (each with a capacity of 25,000 KW), one 3,500 KW turbine (of unknown make) which was evacuated from a factory in Voronezh during the war, and three high-pressure box-shaped boilers (type unknown). Fuel used is pulverized anthracite from the Karaganda coal mines. Plant construction began in 1937 and the third turbine was installed in 1943. Only two turbines and boilers are kept in constant operation. The 3,500 KW turbine is kept in reserve for emergency service. A railroad connects the plant with the rail yard in town.

b. Cracking Plant No. 228

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Has its own power plant, consisting of six small gas-heated boilers and two steam turbines of approximately 12,000 KW capacity each. The plant, built in 1944-46, receives some raw material by pipeline and some by tank car. The location of the beginning of the pipeline is not known. The tank cars bring the raw oil from Bashkir ASSR. Gardeners and farmers along the pipeline file frequent complaints that seepings from the pipes are destroying their crops. A railroad track connects the plant with the rail yard in town.

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c. Factory No. 255 or Locomotive (locomotive construction):

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Located approximately 3 km. from the nickel agglomeration plant. Comment: a nickel agglomeration plant located at Nikel, 10 kms. from Orsk.)

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d. Lumber Mill: No details.GORKI ORLAST14. CHEBOKSARY (56°08'N, 47°15'E)

- a. Prewar population was approximately 35,000; increased to approximately 70,000 during the war, but by spring 1946 decreased to approximately 40,000.

b. Tobacco Factory:

Evacuated from Moscow during the war, this plant, as of March 1946, employed about 100 workers.

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~~CONFIDENTIAL~~c. Alcoholic Beverage Plant: Located next to the tobacco factory.d. Factory No. 320:

A bomb-filling plant located approximately 6 km. south of the city; covers an area of about 380,000 square meters. Empty bomb shells, approximately 120 cm. long, arrive by barge on the Volga and are transported by truck to the plant.

the plant also has a large section which manufactures electrical articles. some connectors made from bakelite which employees had stolen from the factory. Convict labor is used.

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e. Cotton Mill: Employs approximately 300 workers.f. Kharkov Knitting Mill: Produces socks.g. Shoe Factory: No details.15. GORKI (56°19'N, 44°02'E)Aviation Factory No. 119:

Located on Kalavina Street; covers an area of approximately 60,000 square meters. Produces unidentified small articles which are delivered to Aircraft Factory No. 21, a larger plant located in the same town. Employs a few hundred workers (unable to estimate more closely).

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16. SHARYA (58°23'N, 45°32'E)

Population approximately 12,000. There are no industries in this town.

MOLOTOV OBLAST

17. TSHEKALY (sic; Shekaly, Chekaly?) (Located in a mountainous region about midway between Molotov and Sverdlovsk, along the railroad.)

Quarry:

Produces hard blue stones and employs approximately 300 workers. The stones are shipped by train to Krasnokamsk.

18. CHUSOVOI (58°25'N, 57°59'E)a. Metallurgical Plant:

Produces steel plates. A railroad track laid in 1945 runs from the station, 2 km. away, to the plant. The plant employed, as of July 1946, approximately 300 workers on each of three 8-hour shifts. figure. this factory employed 16,000 in April 1946.)

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- b. OSMCh.: A railroad repair company.

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Located at Frunzeskaya Naberezhnaya No. 70. Produces small agricultural tools and employs approximately 1,000 workers. The manager of the plant is Semachov.

SVERDLOVSK OBLAST20. KAMENSK-URALSK (56°25'N, 61°54'E)Brick Factory

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This factory is under the management of the Ural Aluminum Factory which is connected by a railroad track 2 km. long. It is located 8 km. from town, and produces bricks from cinder and other refuse of the UAZ. The bricks are about four times as large as the standard size red bricks used in Europe. Norm is approximately 4,000 bricks in one 8-hour shift. A total of about 400 workers is employed in three 8-hour shifts.

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21. KRASNI ZHELEZNYAK /23 kms. NW of Serov (Nadezhdinsk; 59°36'N, 60°35'E) on the Serov - Turiniski rail line./Coal, Iron, and Gold Mines:

As of spring 1946, five shafts were in operation. Drilling machinery was not used in the shafts. Ore was hoisted mechanically after containers were loaded with hand shovels.

22. NIZHNI TAGIL (57°55'N, 59°57'E)a. Factory No. 8:

This factory was transferred from Moscow during the war and assembly-line methods are used. Produces tank and airplane parts; employed approximately 5,000 to 6,000 workers, as of March 1946.

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b. Factory No. 76:

Employs approximately 3,500 workers.

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23. SVERDLOVSKa. Flour Mill No. 1:

Located near one of the railroad stations in town. Capacity: 200 to 250 tons a day.

b. Flour Mill No. 2:

Located near Mill No. 1 but smaller than Mill No. 1. Capacity unknown.

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c. Water Works:

The town draws its drinking water supply from a reservoir 3 to 4 km. away. The water is filtered through a sand layer and treated with chlorine. Up to March 1946, the monthly average consumption was 1,000,000 cubic meters. ()

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Comment: The population of Sverdlovsk was a little over half a million in January 1947.) At that time, plans were being made to increase the drinking water supply. Because of inadequate supply, factories were not permitted to use this water for technical purposes. The supply system was divided into four areas. The area covering the center of the town consumed a monthly average of 300,000 cubic meters of drinking water.

24. TANKOVICH (approximately 75 km. from Serov)

Kirov Coal Mines:

Three shafts, depth 110 to 165 m., are in operation and produce 360 tons of gas-coal in 24 hours. No mechanical mining aids are used except for hand-operated elevators to hoist the coal to the surface.

25. UKTUS (railroad stop 17 kms. SE of Sverdlovsk on Sverdlovsk-Aramil-Sysert-Poldnevaya line):

Brick Factory: No details.

26. VERKHNAYA TURA (58°21'N, 59°50'E)

A rolled gravel road, 13 km. long and 5 to 6 meters wide, to Kaban (not located) in Kushva Raion was built in 1945.

27. VERKHNIY UFALEY (56°03'N, 60°14'E)

Nickel Mines:

An underground mine with 300 workers in three 8-hour shifts produces an average of 80 to 100 tons of nickel ore per shift. There is also a surface mine near the town. () it produces more nickel ore and is larger than the underground mine. The ore is processed in a nickel smelting plant in town ()

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SARATOV OBLAST

28. SARATOV (57°30'N, 45°55'E)

- a. Boat Motor Factory: Located on the shore of the Volga. No details.
- b. Clothing Factory: Employs approximately 200 workers.

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c. Kirova Refinery:~~CONFIDENTIAL~~

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Oil produced at the Elshanka fields is carried by pipeline to this plant. The Elshanka fields also produce about 2,000,000 cubic meters of natural gas per day. The gas, which erupts at a pressure of about 70 to 80 atu, is captured and used as fuel in hospitals and factories in Saratov. As of spring 1946, the production of gas was increasing.

d. Tramway Trust (TGZh):

Repair shop located in the center of town, near a dairy products plant.

e. Pottery Plant: No details.ULYANOVSK OBLAST29. SYZRAN (53°10'N, 48°28'E)

Population is approximately 80,000. A railroad watering and fueling point.

30. ULYANOVSK (54°18'N, 48°23'E)(Simbirsk)a. Alcoholic Beverage Plant: No details.b. Overcoat (Shinyel) Factory: Supplies the Soviet Army.c. Lumber Mill:

Located on the bank of the Volga; processes logs arriving by barge.

d. Factory No. 5:

A clothing factory located on Lenin Square. Employed approximately 1,500 workers in two 12-hour shifts, as of August 1943. The manager is Gigory.

KUIBYSHEV OBLAST31. VESHKAYMA (54°03'N, 47°04'E)

Alcoholic Beverage Plant: Employs 150 workers.

YAROSLAVL OBLAST32. RYBINSK (58°03'N, 38°46'E):

Factory No. 26: Produces airplane motors.

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